



A New Addition to the **TRIMASTER** LCD Master Monitor Series

Sony expands its TRIMASTER™ LCD Master Monitor Series with the addition of the BVM-L170 monitor. Inheriting the design concept of the flagship BVM-L230 LCD master monitor, the BVM-L170 offers the same superb picture performance and sophisticated features required for top-quality master monitoring.

The BVM-L170 incorporates an exclusively designed panel that follows the TRIMASTER criterion – featuring a 16.5-inch*¹ screen size, full HD resolution, wide viewing angle and a 10-bit driver. This compact-sized panel allows for flexible installation of the BVM-L170 (6U high) – whether mounted in an EIA standard rack or using DC operation. Plus, when equipped with an optional Protection Panel*², the BVM-L170 monitor is also an ideal choice for use in the field.

*1 Viewable area measured diagonally.

*2 The Protection Panel is offered as an optional accessory.

SONY

BVM-L170

Professional Master Monitor

Preliminary

Main Features

The BVM-L170 offers a broad range of advanced features including:

- Superb picture quality and stable colour temperature
- Precision imaging achieved using the full HD (1920 x 1080) panel with 10-bit LCD driver
- Multiple colour gamuts (SMPTE-C, EBU, ITU-R BT.709, D-Cine and L170Native)
- LED backlight technology using ultra-high-precision uniformity correction
- Professional Display Engine using the non-linear cubic conversion colour management system (exclusively developed I/P conversion technology)
- Consistent picture quality using our exclusive panel calibration and colour feedback system
- Multi-format signal support*¹ (video signals from analogue composite to Dual-Link HD-SDI video input; PC signals from VGA to full HD via DVI-D and HDMI interfaces)
- Picture & Picture (Side-by-Side, Butterfly, Wipe, and Blending)
- Variety of display modes (Interlace Display, Black Frame Insertion*²)
- Pixel zoom
- S-LOG gamma
- Gamut error display
- HD frame capture
- Mountable in a 19-inch EIA standard rack (6U high)*³
- DC operation (24V)

*¹ Video interfaces are offered as optional boards (BKM-244CC, BKM-243HS, BKM-220D, BKM-229X, BKM-227W). PC interfaces (DVI-D and HDMI) are equipped as standard.

*² Black Frame Insertion is achieved by Sony's unique LED Backlight Blinking technology.

*³ Requires optional Rack Mount Kit.

Optional Accessories

- BKM-16R / Monitor Control Unit
- BKM-244CC / HD/SD-SDI Closed Caption Adaptor
- BKM-243HS / HD-SDI/SD-SDI Input Adaptor
- BKM-220D / SD-SDI 4:2:2 Input Adaptor
- BKM-229X / Analogue Component Adaptor
- BKM-227W / NTSC/PAL Input Adaptor
- SMF-700 / Monitor Interface Cable
- Rack Mount Kit
- BKM-17M / Protection Panel

Specifications

BVM-L170

Picture Performance

Type	a-Si TFT Active Matrix LCD
Picture Size (Viewable Area)	Approx. 366 x 206 mm (Approx. 14 1/2 x 8 1/8 inches)
(Diagonal)	Approx. 419 mm (16 1/2 inches)
Aspect	16:9
Resolution (H x V)	1920 x 1080 pixels (Full HD)
Pixel Efficiency	99.99%
Backlight	High-purity LEDs
Preset Brightness	100 cd/m ² (D-Cine: 48 cd/m ²) (when 100% white signal is input)
Panel drive	RGB 10 bit
Panel frame rate	96/100/120 Hz
Viewing angle	85°/85°/85°/85° (typical) (up/down/left/right contrast > 10:1)

Input / Output

Video Input/Output	Four (4) slots
PC Input	DVI-D (HDCP correspondence) x 1, HDMI x 1
	Ethernet (10 BASE-T/100 BASE-TX), RJ-45 x 1
Control	LAN
	Parallel Remote
	D-sub 9-pin (female) x 1
	Option A
	Mini-DIN 8-pin (female) x 1
	Option B
	USB (Type A) x 1 (used for future expansion)
DC 5V Out	Circle 4-pin (female) x 1

General

Power Requirements	100 to 240 V AC, 50/60 Hz, or DC 24V
Power consumption	Approx. 165 W (AC), Approx. 140 W (DC) (at maximum load, the luminance compensation due to the aged deterioration of the LED is included)
Operating Temperature	0 °C to 35 °C (32 °F to 95 °F) (Recommended operation temperature 20°C to 30°C (68°F to 86°F))
Operating Humidity	0% to 90% (no condensation)
Operating Pressure	700 hPa to 1060 hPa
Storage and Trans. Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Storage and Trans. Humidity	0% to 90%
Storage and Trans. Pressure	700 hPa to 1060 hPa
Dimensions (W x H x D)	426 x 265 x 280 mm (16 7/8 x 10 1/2 x 11 1/8 inches)
Mass	Approx. 15 kg (33 lb 1 oz)
Supplied Accessories	AC power cord (Parts number: 1-782-929-1x (1), AC plug holder (1), Cable holder (1), Bracket (1), Operation Manual (Japanese, English, each 1), Connection Cable for Colour Temperature Probe (1), CD-ROM (1), Using the CD-ROM Manual (1))

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